

TRANSMITTAL FOR U.S. PATENT APPLICATION  
UNDER 37 CFR §1.53(b)

ATTORNEY DOCKET: 066639.0123

Mail Stop: PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Express Mail No. EV352387645US**

Sir:

Transmitted herewith for filing is the original patent application of:

Inventors: Curtis Kirker and Berkeley F. Fuller

Filed: March 11, 2004

Title: **Centrifuge with Controlled Discharge of Dense Material**

Assignee: Phase, Inc.

Priority Information: This application claims priority from U.S. Provisional Patent Application Serial No. 60/454,448 filed March 11, 2003, and entitled "Method for More Efficiently Valving Imperforate Bowl Centrifuges"

Enclosed are:

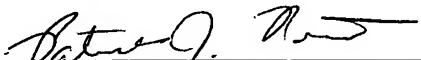
- (1) Specification, Claims and Abstract (36 pages);
- (2) Formal Drawings (6 sheets);
- (3) Executed Declaration and Power of Attorney (3 pages);
- (4) Assignment (2 pages);
- (5) Recordation Form Cover Sheet (2 pages);
- (6) Verified Statement Declaration Claiming Small Entity Status (1 page);
- (7) Information Disclosure Statement (2 pages);
- (8) PTO Form 1449 Citation (7 pages);
- (9) Patent Application Transmittal Form (2 pages);
- (10) Certificate of Mailing by Express Mail (1 page);
- (11) Check no. 106876 in the amount of \$626.00 for filing fees;
- (12) Check no. 106875 in the amount of \$40.00 for recordation of assignment; and
- (13) Postcard.



FEE CALCULATION					FEE
	Number		Number Extra	Rate	Basic Fee \$ 385.00
Total Claims	42	-20	22	22 X \$9 =	\$ 198.00
Independent Claims	4	-3	1	1 X \$43 =	\$ 86.00
TOTAL FILING FEE =					\$626.00

Enclosed is a check in the amount of \$626.00 for the filing fee. Please charge any additional fees or credit any overpayment to Deposit Account No. 50-2148 of Baker Botts L.L.P.

BAKER BOTTS L.L.P.  
Attorneys for Applicant

  
Patrick J. Porter  
Registration No 45,658

Date: March 11, 2004

CORRESPONDENCE ADDRESS: Customer Number: 31625

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031104

BAKER BOTTS LLP

U.S. PTO

**FEE TRANSMITTAL  
for FY 2004**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 666

**Complete if Known**

Application Number

New

Filing Date

March 11, 2004

First Named Inventor

Curtis Kirker

Examiner Name

Art Unit

Attorney Docket No.

066639.0123

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

50-2148

Baker Botts LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee required under 37CFR 1.16 and 1.17☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$) 385</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
42	- 20 = 22	X 9	= 198
Independent Claims	4	- 3 = 1	X 43 = 43
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)**

(\$) 241

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$) 40

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)

Patrick J. Porter

Registration No.  
(Attorney/Agent)

45,658

Telephone 512.322.2690

Signature

*Patrick J. Porter*

Date

March 11, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

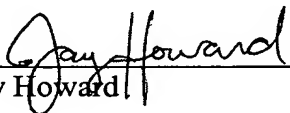
In re Application of:                      Curtis Kirker and Berkeley F. Fuller  
Filing Date:                                March 11, 2004  
Title:                                         *Centrifuge with Controlled Discharge of Dense Material*

**Mail Stop Patent Application**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

I hereby certify that the attached Patent Application Transmittal, Patent Application, Formal Drawings, Assignment, Recordation Form Cover Sheet, Declaration and Power of Attorney, Verified Statement (Declaration) Claiming Small Entity Status, Information Disclosure Statement, PTO Form 1449 Citation, check in the amount of \$626.00, check in the amount of \$40.00, and Postcard are being deposited with the United States Postal Service under 37 C.F.R. 1.10 on the 11th day of March, 2004, and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jay Howard

Express Mail Label No.:  
**EV352387645US**  
Attorney Docket:  
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